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(54) **DIRECT-CURRENT RELAY RESISTANT TO SHORT-CIRCUIT CURRENT**

(57) A DC relay capable of extinguishing arc and resisting short-circuit current includes two stationary contact leading-out terminals (11, 12), a push rod component (3), a straight sheet type movable spring (2) mounted on the push rod component (3) and two permanent magnets (71). The magnetic poles on the sides opposite to each other of the two permanent magnets (71) are opposite. Two permanent magnets (71) are connected to two yoke clips (72) including at least two yoke sections (720) on two sides in the width direction of the movable spring (2). Upper and lower magnetizers (61, 62) are respectively mounted above and under the position, and can approach or contact with each other through the through holes (22) in the movable spring (2). At least two independent magnetically conductive loops are formed in the width direction of the movable spring (2) by the upper and lower magnetizers (61, 62).

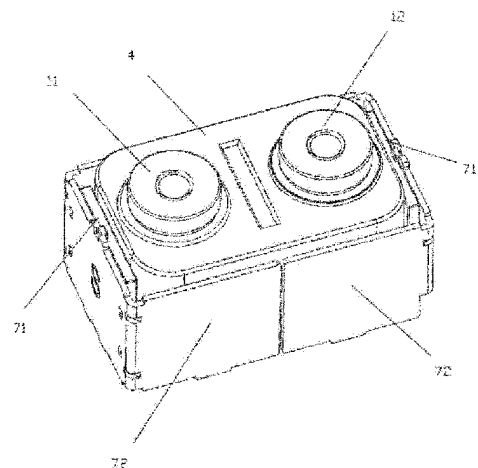


Fig.30



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The present search report has been drawn up for all claims			
Place of search Munich		Date of completion of the search 11 January 2024	Examiner Nieto, José Miguel
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	

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